**CLAIM AMENDMENTS** 

Claim Amendment Summary

Claims pending

· Before this Amendment: Claims 1-22.

· After this Amendment: Claims 1-11, and 13-22.

Non-Elected, Canceled, or Withdrawn claims: 12.

Amended claims: 1-4, 7-11, 13-16, and 18-22

New claims: none.

Claims:

 (Currently amended) One or more computer readable media having stored thereon a plurality of instructions that, when executed by one or more processors, causes the one or more processors to:

access a configuration file written in a markup language and associated with an application, the configuration file having definitions of a plurality of configuration handlers for creating handler components based on a mapping table defined in the configuration file, at least one definition of the plurality of configuration handler definitions components including a definition of a first configuration handler component definition, the first configuration handler being configured to create a first handler component based on the mapping table and further component definition comprising a second configuration handler nested within the first configuration handler, the second

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configuration handler being configured to create a second handler component based on a

mapping definition in a configuration section within the first configuration handler,

wherein the second configuration handler is user-defined to handle a customized handler

data that is not supported by the first configuration handler, and wherein the second

handler component created by the second configuration handler implements a known

interface such that the data defined by the second configuration handler is properly

processed by the application without alteration to the application eomponent definition

for creating a second handler component, whereby the second component definition-is

configured to nest in the first component definition;

create the plurality of handler components including [[a]] the first handler

component and [[a]]  $\underline{\text{the}}$  second  $\underline{\text{handler}}$  component in accordance with the  $\underline{\text{definitions}}$ 

first component definition, wherein the first component is different from the second

component, and wherein the plurality of components includes the first and second

components;

inform one or more of the plurality of handler components of the presence of other

handler components of the plurality of components; and

make the plurality of handler components available to the application.

2. (Currently amended) One or more computer readable media as recited in

claim 1, each of the plurality of configuration handler component definitions being

written in an extensible Markup Language (XML) format.

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3. (Currently amended) One or more computer readable media as recited in

claim 1, wherein to inform each of the plurality of handler components of the other

<u>handler</u> components of the plurality of components is to invoke a method exposed by one

or more of the plurality of handler components.

4. (Currently amended) One or more computer readable media as recited in

claim 3, wherein to invoke the method exposed by one or more of the plurality of handler

components is further to include, as a parameter of the method, an identification of the

plurality of handler components.

5. (Original) One or more computer readable media as recited in claim 3,

wherein the method comprises a WireUp method.

**6. (Original)** One or more computer readable media as recited in claim 1,

wherein the plurality of instructions, when executed by the one or more processors,

further cause the one or more processors to implement nested configuration handlers

defined in the configuration file.

7. (Currently amended) A method of using a configuration file to generate one

or more handler components that are accessible to an application, the method comprising:

creating, in a first phase, a plurality of handler components defined in a

configuration file, the creating comprising creating at least a first handler component

based on a first configuration handler and a second handler component based on a second

configuration handler, the second configuration handler being configured to nest within

the first configuration handler, wherein the second handler component is user-defined to

handle a customized handler data that is not supported by the first configuration handler,

and wherein the second handler component implements a known interface such that the

data defined by the second configuration handler is properly processed by the application

without alteration to the application of-the-plurality-of-components being created in

accordance with a component definition, the first component being different from the

second component; and

notifying, in a second phase, one or more of the plurality of handler components of

the presence of the other handler components in the plurality of components.

8. (Currently amended) A method as recited in claim 7, the creating

comprising:

obtaining, from the configuration file, definitions for each of the plurality of

handler components;

identifying, from the configuration file, a configuration handler to be used to

create one <u>handler</u> component of the plurality of <u>handler</u> components based on <u>one of the</u>

definitions a component definition; and

while creating the one component, identifying, from the configuration file

component definition, a child configuration handler to be used to create another handler

component to be used by the one handler component.

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9. (Currently amended) A method as recited in claim 7, the notifying

comprising:

invoking a method exposed by each of the one or more of the plurality of handler

components.

10. (Currently amended) A method as recited in claim 9, the invoking

comprising:

passing, as a parameter of the method, an identification of the plurality of handler

components.

11. (Currently amended) One or more computer readable media having stored

thereon a plurality of instructions that, when executed by one or more processors, causes

the one or more processors to implement access a configuration file and create a plurality

of handler component including at least a first and a second handler components based on

a first and a second configuration handler defined in [[a]] the configuration file associated

with an application, the first configuration handler comprising the second configuration

handler and mapping the second configuration handler in a configuration section within

the first configuration handler, wherein the second configuration handler is user-defined

to handle a customized handler data that is not supported by the first configuration

handler, and wherein the second handler component created by the second configuration

handler implements a known interface such that the data defined by the second

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configuration handler is properly processed by the application without alteration to the application.

12 (Cancelled).

13. (Currently amended) One or more computer readable media as recited in

claim [[12]] 11, wherein the instructions, when executed by one or more processors,

further cause the one or more processors to notify one or more of the plurality of handler

components of the presence of the other handler components in the plurality of

components.

14. (Currently amended) A method comprising:

receiving a request to create a plurality of components from a configuration file

associated with an application;

obtaining, from the configuration file, definitions for each of the plurality of

handler components;

identifying, from the configuration file, a configuration handler to be used to

create one component of the plurality of components based on one of the definitions;

while creating the one handler component, identifying, from the configuration file

configuration handler, a child configuration handler to be used to create another handler

component to be used by the one component, wherein the child configuration handler is user-defined to handle a customized handler data that is not supported by the

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configuration handler, and wherein the other handler component created by the child configuration handler implements a known interface such that the data defined by the child configuration handler is properly processed by the application without alteration to the application the plurality of components being different from each other; and making the plurality of handler components available to the application.

15. (Currently amended) A method as recited in claim 14, further comprising: notifying, prior to making the plurality of <u>handler</u> components available to the application, one or more of the plurality of <u>handler</u> components of the presence of the other handler components in the plurality of components.

16. (Currently amended) A method as recited in claim 14, the identifying, from the configuration file, a child configuration handler comprising:

accessing a configuration section in the identified configuration handler, the configuration section mapping component identifiers to child configuration handlers; and locating, from the mapping, the child configuration handler based on an identifier of the other component.

17. (Previously presented)

A method as recited in claim 16, the identifier of the other component comprising an eXtensible Markup Language (XML) tag.

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each of the plurality of handler components being written in an eXtensible Markup

Language (XML) format.

19. (Currently amended) A method as recited in claim 14, the identifying

comprising:

identifying a tag associated with a definition of the one handler component;

accessing a mapping of tags to configuration handlers in the configuration file; and

identifying, using the mapping and based on the identified tag, the configuration

handler to be used to create the one handler component.

20. (Currently amended) A method as recited in claim 19, the identifying, from

the configuration file, a child configuration handler comprising:

accessing a configuration section in the identified configuration handler, the

configuration section mapping component identifiers to child configuration handlers; and

locating, from the mapping, the child configuration handler based on an identifier

of the other component.

21. (Currently amended) A system comprising:

an application; and

a configuration system to access a configuration file associated with the

application, the configuration file storing one or more extensible configuration handlers.

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the configuration system to create a plurality of  $\underline{\text{handler}}$  components for the application in

a two-phase process, the first phase including:

obtaining, from the configuration file, definitions for each of the plurality

of handler components;

identifying, from the configuration file, a configuration handler to be used

to create one <u>handler</u> component of the plurality of <u>handler</u> components based on one of

the definitions; and

while creating the one handler component, identifying, from the one of the

definitions, a child configuration handler to be used to create another handler component

to be used by the one component, the child configuration handler being configured to nest

in the definition of the one handler component, wherein the child configuration handler is

user-defined to handle a customized handler data that is not supported by the

configuration handler, and wherein the other handler component created by the child

configuration handler implements a known interface such that the data defined by the

child configuration handler is properly processed by the application without alteration to

the application; and

the second phase including:

notifying one or more of the plurality of components of the presence of the

other components in the plurality of components.

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invoking a method exposed by the one or more of the plurality of <u>handler</u> components, and

passing, as part of the invoking, the plurality of <u>handler</u> components as a parameter of the method.